

REMARKS

Claims 1-20 are pending in this application. Claims 13 and 17-19 are amended. Claims 13 and 19 are amended to incorporate some subject matter from claim 17. Claim 18 is amended to place it in independent form, incorporating the subject matter of claim 13. No range of equivalents is surrendered or is intended to be surrendered by these amendments. Reconsideration and withdrawal of the rejections set forth in the last Office Action, as they may apply to the claims as set forth, is respectfully requested in view of the remarks set forth herein.

Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Applicant respectfully traverses this rejection.

The Office Action states, with regards to claims 1, 13, and 19, that "is it uncertain what is meant by 'and methods by' (i.e., is it a method or a system (sic) claim)." The preambles of claims 1, 13 and 19 state "A computer system," "A method," and "A computer-readable medium," respectively, clearly and definitively establishing that these claims are method, system, and computer-readable medium claims. Likewise, the transition of claims 1, and 13 state "the computer system comprising" and "the method comprising," respectively, emphasizing the claim type. Moreover, it is quite clear that the adjective "Java" is modifying "methods" in the phrase "accessing of Java objects and methods by ... graphical user interfaces," in claims 1, 13 and 19. Consequently, an ordinary, normal reading of the preambles of these claims would not read "and methods by" alone and out of context. Furthermore, one of ordinary skill will readily understand what is meant by Java methods. Consequently, the language cited by the Office Action does not render claims 1, 13, and 19 indefinite. Withdrawal of this objection is respectfully requested.

The Office Action also states, with regards to claims 16 and 17, that "it is not clear what is meant by 'method data.'" Claims 16 and 17 both depend on claim 13, which recites "passing method data" and "processing method data." This method data is data related to the Java methods discussed with regards to claims 1, 13 and 19. Again, one of ordinary skill in the art will understand what is meant by method data in this context. Consequently, the language cited by the Office Action does not render claims 16 and 17 indefinite. Withdrawal of this objection is respectfully requested.

Claims 1-20 are also rejected under 35 U.S.C. § 103(a) as being unpatentable by U.S. Patent No. 6,182,155 to Cheng et al. ("Cheng") in view of The Java Tutorial (JT). Applicants

respectfully traverse this rejection since each and every element of claims 1-20 are not taught or suggested by Cheng in view of JT.

To establish a *prima facie* case of obviousness ... the prior art reference (or references when combined) must teach or suggest all of the claim features. In re Vaeck, 947 F.2d 488, 20 USPQ2d 1438 (Fed. Cir. 1991) and MPEP § 2142. As stated, Cheng and JT do not teach or suggest each and every element as set forth in the claims.

For example, Cheng and JT do not teach or suggest:

a base proxy object, comprising one or more functions that *encapsulate one or more JNI API calls* necessary to call a Java method in the Java Virtual Machine *based on the one or more method requests of the graphical user interface*,

(emphasis added) as recited in claim 1. The Office Action states only that Cheng teaches “a base proxy object, comprising one or more functions that encapsulate one or more call necessary to call a Java method in the Java Virtual Machine,” thereby conceding that Cheng does not teach the claimed base proxy object comprising the above *italicized* features. An examination of Cheng confirms this, as Cheng makes no mention of functions encapsulating JNI API calls or calling a Java method based one or more method requests of the GUI. Even if JT teaches a Java Native Interface Boundary and callbacks, JT does not teach or suggest these features. Moreover, even if C++ GUIs are well known, calling Java methods based on one or method requests of a GUI is not taught or suggested. Consequently, Cheng in view of JT does not teach or suggest the claimed base proxy object of claim. Therefore, claim 1 is not rendered obvious. Further, for these reasons and their own independent features, dependent claims 2-12 are not rendered obvious. Allowance of these claims is respectfully requested.

Likewise, Cheng and JT do not teach or suggest “the base proxy object processing the method data, comprising: issuing JNI API calls with the method ID to call the Java method,” as recited in claims 13 and 19. As discussed above, neither Cheng nor JT, alone or in combination, teach or suggest the base proxy object issuing JNI API calls to call the Java method. Consequently, claims 13 and 19 are not rendered obvious. Further, for these reasons and their own independent features, dependent claims 14-17 and 20 are not rendered obvious. Allowance of these claims is respectfully requested.

Similarly, Cheng and JT do not teach or suggest “obtaining the Java object via a JNI API call, wherein the Java object instance data is passed through a JNI,” as recited in claim 18. As discussed above, neither Cheng nor JT, alone or in combination, teach or suggest this

feature. Consequently, claim 19 is not rendered obvious. Allowance of this claim is respectfully requested.

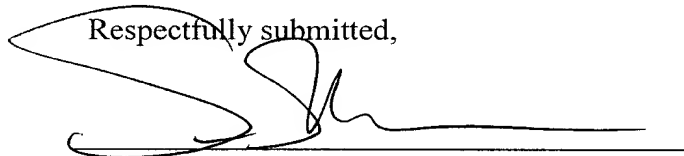
CONCLUSION

In view of the above amendments and remarks, Applicants believe that all of the objections and rejections against this application have been fully addressed and that the application is now in condition for allowance. Therefore, withdrawal of the outstanding objections and rejections and a notice of allowance for the application is respectfully requested.

However, in light of the nature of this Application, and if the Examiner believes that a personal or telephonic interview would be of value in expediting the prosecution of this application, the Examiner is hereby requested to telephone the undersigned counsel to arrange for such a conference.

Date: **October 8, 2004**

Respectfully submitted,



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